

Making plates

A lot of lab work requires plates in order to produce results, and often you need a special concentration, a unique antibiotic mixed into the plates or a different composition than what is available at the lab you are in. If that is the case, the plate needs to be made from scratch, or somewhat along the way.

Steps

1. Obtain LB+ Agar from the labs cold room
 - a. If you don't have a cold room, mix liquid LB with 15 gram agar per Liter, and autoclave the mixture
 - i. 1 liter LB+ Agar should give >40 plates
2. Heat the LB + Agar in the micro oven till liquid
 - a. Note: this is best done in small intervals so the oven does not need cleaning after wards, optimal swap between 2 or 3 portions, so the heat have time to be more distributed.
3. Let the mixture cool off till the bottle can be handled with bare hands, add antibiotic you your choice and pour into empty plates.
 - a. Don't let the mixture get to cold or it will solidifying
 - b. Note: this should be done sterile to prevent contamination
4. Let the plates cool off, and store cold until needed

Media needed

5. Liquid LB
6. Agar
7. Antibiotic of choice